

CURRICULUM VITAE
STEVEN T. De KOSKY, M.D.

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STEVEN TRENT DeKOSKY, M.D.

PERSONAL INFORMATION

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Office: University of Pittsburgh, Department of Neurology
3471 Fifth Avenue, Suite 811
Pittsburgh, PA 15213

EDUCATION

1968	A.B. (Psychology)	Bucknell University Lewisburg, Pennsylvania
1968 -1970	Graduate Student	Depts. of Psychology and Neuroscience University of Florida Gainesville, Florida
1974	M.D.	University of Florida College of Medicine Gainesville, Florida

POSTGRADUATE TRAINING

1974-1975	Intern in Internal Medicine	The Johns Hopkins Hospital Baltimore, Maryland
1975-1978	Resident in Neurology	University of Florida College of Medicine Gainesville, Florida
1978-1979	Postdoctoral Fellow, Neurochemistry	Clinical Neuroscience Research Center/ Department of Neurology University of Virginia School of Medicine Charlottesville, Virginia
1/14-1/26/01	Program for Chiefs of Clinical Services	Harvard School of Public Health Department of Health Policy and

POSTGRADUATE TRAINING (continued)

10/01	Good Clinical Practices for Clinical Investigators	Association of Clinical Research Professionals Chicago, IL
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ACADEMIC POSITIONS

1978-1979	Instructor, Department of Neurology University of Virginia School of Medicine Charlottesville, Virginia
1979-1985	Assistant Professor of Neurology University of Kentucky College of Medicine
1980-1985	Assistant Professor of Anatomy University of Kentucky College of Medicine
1981-1990	Graduate Faculty University of Kentucky Graduate School
1983	Visiting Professor, Department of Psychobiology University of California - Irvine Laboratory of Dr. Carl W. Cotman
1985-1990	Associate Professor of Neurology (with tenure) University of Kentucky College of Medicine
1985-1990	Associate Professor of Anatomy and Neurobiology University of Kentucky College of Medicine Lexington, Kentucky
1985-1987	Interim Chairman, Department of Neurology University of Kentucky College of Medicine
1990-present	Professor of Psychiatry (with tenure) Western Psychiatric Institute and Clinic and University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania
1990-present	Professor of Neurology and Neurobiology University of Pittsburgh School of Medicine
1991-present	Graduate Faculty University of Pittsburgh School of Medicine
1997-present	Professor of Human Genetics Graduate School of Public Health University of Pittsburgh
5/00-12/01	Interim Chairman, Department of Neurology University of Pittsburgh School of Medicine

ACADEMIC POSITIONS (continued)

1/02-present Chairman, Department of Neurology
University of Pittsburgh School of Medicine

HOSPITAL AFFILIATIONS

1979-1985 Attending Neurologist
University Hospital
University of Kentucky, Lexington, Kentucky

1979-1990 Staff Neurologist
VA Medical Center, Lexington, Kentucky

1982-1990 Associate Medical Staff (Neurology)
Commission for Handicapped Children
Commonwealth of Kentucky

1985-1987 Interim Neurologist-in-Chief, University Hospital
Lexington, Kentucky

1985 -1990 Medical Staff, Cardinal Hill Rehabilitation Hospital
Lexington, Kentucky

1990-Present Medical Staff, University of Pittsburgh Medical Center
Presbyterian-University Hospital, Western Psychiatric Institute and Clinic,
Montefiore University Hospital
Pittsburgh, Pennsylvania

PROFESSIONAL SOCIETIES AND ORGANIZATIONS

American Neurological Association (elected 1988)
Member, Long Range Planning Committee (1995-1997)
American Academy of Neurology (Member since 1976; Fellow, 1983-present)
Section on Geriatrics
Chair (1996-1998)
Vice Chair (1994-1996)
Chairman, Liaison Committee (1991-1993)
Chairman, Public Policy Committee (1993-1994)
Director, Annual Course in Geriatric Neurology (1992-1995)
Chair, Aging and Dementia Program (1995-1996)
Member, Scientific Issues Subcommittee (1995-1996)
Member, Scientific Program Subcommittee (1995-1996)
Member, Legislative Affairs Committee (1998-present)
Director, Dementia Update Course (1999-present)
Chair, Dementia Practice Parameters Committee of the Quality Standards
Subcommittee (1999-present)
American Society for Neurological Investigation (ASNI)
(Councilor for the Southern United States, 1986-1988)
Society for Experimental Neuropathology
[Councilor (elected) 1990-1992; Assistant Secretary Treasurer 1993-1995]

PROFESSIONAL SOCIETIES AND ORGANIZATIONS (continued)

Society for Neuroscience
International Society for Neurochemistry
American Society for Neurochemistry
Behavioral Neurology Society
International Society of Neuropathology
Fellow, Stroke Council, American Heart Association
New York Academy of Sciences
National Neurotrauma Society
American College of Neuropsychopharmacology

HONORS AND AWARDS

1968-1969	Predoctoral Fellowship, Center for Neurobiological Sciences University of Florida College of Medicine
1972	Alpha Omega Alpha Research Award University of Florida College of Medicine
1974	Roger Schnell Award for Excellence in Clinical Neurology (Graduation Award, University of Florida College of Medicine)
1978-1979	National Research Service Award in Developmental Neurology (Neurochemistry) NINCDS
1980-1985	Teacher-Investigator Development Award, NINCDS
1987	Research Associate, Sanders-Brown Research Center on Aging
1988	William Osler Fellow, University of Kentucky College of Medicine
1988	Presidential Award American Neurological Association
1994-present	<i>The Best Doctors in America</i>
1996-1997	<i>Best Doctors in America: Northeast Region</i>
1996	University of Pittsburgh Nominee: 1997 King Faisal International Prize for Medicine
1996	<i>Who's Who in Medicine and Healthcare</i>
1997	<i>Who's Who in Science and Engineering</i>
1997	11 th Annual Joseph M. Foley, M.D. Lecturer, Cleveland Clinic Foundation
1998	<i>Who's Who in America</i>
1998	7 th David B. Tyler Memorial Lecturer, University of South Florida College of Medicine
1999	Distinguished Alumnus of the University of Florida College of Medicine
2000	Ralph W. Richter Award for Excellence in the Field of Alzheimer's Research
2001	George Randolph and Patricia Scott Lectureship on the Physiology of Aging, Mayo Foundation, Rochester, MN
2002	Member (Neurology) American Board of Psychiatry and Neurology

BOARD CERTIFICATION AND LICENSURE

- 1975 Diplomat of the National Board of Medical Examiners
- 1978 Certificate of Registration in Medicine and Surgery of the State of Virginia
- 1979 Medical Licensure, State of Kentucky
- 1990 Certificate of Registration in Medicine and Surgery of the State of Pennsylvania
- 2003 Diplomat of the American Board of Psychiatry and Neurology (Neurology)

RESEARCH INTERESTS

Clinical disorders of memory and cognitive function: Alzheimer's disease, neurochemistry, genetics and treatment
Central nervous system regeneration and response to injury

PATENTS

1997: "Use of the genetics of alpha-1-antichymotrypsin (ACT) and levels of ACT in blood and CSF for diagnosis of Alzheimer's disease" (With M. Ilyas Kamboh, Ph.D.)

JOURNAL AND GRANT REVIEW

Editorial Boards:

Archives of Neurology (1997-present)
Neurology Network Commentary (1996-present)
Alzheimer Disease and Associated Disorders: An International Journal (1993-present)
Annals of Neurology (2001-present)
Brain Aging International Journal (2002-present)
Journal of Alzheimer's Disease (2002-present)
Neurodegenerative Diseases (2002-present)

Journal Reviewer:

Annals of Neurology
Experimental Neurology
Journal of the American Medical Association (JAMA)
Journal of Cerebral Blood Flow and Metabolism
Journal of Comparative Neurology
Journal of Neural Transmission
Journal of Neuroscience
Neurobiology of Aging
Neurology
Physiology and Behavior
Proceedings of the National Academy of Sciences (USA)
Stroke
American Journal of Psychiatry
Lancet

JOURNAL AND GRANT REVIEW (continued)

NIH Study Section:

NIA-Neuroscience Review Committee (1997-present)
Chairperson (2000-2001)
Ad Hoc Study Sections Member:
National Institute on Aging: Study Section on Alzheimer's Disease Research Centers
National Institute on Aging Study Section: Geriatric Research and Training Centers
Research Career Development Award Study Section, Medical Research Service,
Veterans Administration Central Office
Small Grants Review Committee, National Institute of Aging
Small Business Innovation Research, National Institute on Alcohol Abuse and Alcoholism

Ad Hoc Grant Reviewer:

Alzheimer Association
National Science Foundation
Veterans Administration Merit Review Board in Neurobiology
Veterans Administration Research Advisory Group (RAG) Committee
Commonwealth of Virginia: Alzheimer's Disease and Related Disorders Research Fund
Ohio State Board of Regents: Ohio Eminent Scholars Program
Human Frontier Science Program (Strasbourg, France)

COMMITTEES AND ADMINISTRATIVE DUTIES

University of Kentucky

Utilization Review Committee, University of Kentucky Medical Center; 1979-83
Pharmacy and Therapeutics Committee, VA Medical Center, Lexington, KY; 1979-82
Committee on Aging, University of Kentucky Medical Center; 1980-82
Animal Care Subcommittee, University of Kentucky Medical Center; 1980-83
Research Budget Committee, Lexington VA Medical Center 1982-85
(Chairman, 1982-84); 1987-1990
Research and Development Committee, Lexington VA Medical Center
1980-83, 1984-85 (Chairman, 1982-83)
Student Progress and Promotions Committee, University of Kentucky College of
Medicine; 1984-85 (Faculty Council Liaison)
Faculty Council (elected), University of Kentucky College of Medicine; 1984-85
Geriatric Advisory Board, Lexington VA Medical Center; 1984-1990
Quality Assurance Committee, Department of Neurology, University of Kentucky
1985-1990 (Chairman, 1985-87)
Department of Neurology Review/Chairman Search Committee (Department
representative) 1985-87
Steering Committee, Magnetic Resonance Imaging and Spectroscopy Center,
University of Kentucky, 1985-1987
Veterans Administration Dean's Committee, Lexington VA Medical Center; 1985-1987
University Hospital Clinical Board, University of Kentucky Medical Center; 1985-1987
Chiefs of Clinical Service Committee, Univ. of Kentucky College of Medicine; 1985-1987
Chairman's Council, University of Kentucky College of Medicine; 1985-1987
Quality Assurance Review Board, Lexington VA Medical Center, 1987-1988
Research Committee, University of Kentucky College of Medicine, 1988-1991
Research Budget Committee, Lexington VA Medical Center, 1988-1990
Faculty Council (elected), University of Kentucky College of Medicine, 1989-1991

University of Pittsburgh

Alzheimer's Disease Research Center Internal Advisory Group
University of Pittsburgh Medical Center, 1990-present
Director, Behavioral Neurology/Neuropsychiatry of Aging Training Program
University of Pittsburgh, 1990-present
Task Force on Geriatric Programs, University of Pittsburgh Medical Center, 1991-present
Residency Selection Committee, Department of Psychiatry, Western Psychiatric Institute &
Clinic, 1990-present
Department of Neurology Chairman Search Committee, 1992-1993
Director, Division of Geriatrics and Neuropsychiatry, Department of Psychiatry, 1992-
2001
Director, Geriatric Health Services, University of Pittsburgh Medical Center, 1992-1999
Executive Committee, Center for Neurosciences/University of Pittsburgh, 1992-present
Academic Promotions Committee, Department of Psychiatry, 1993-2001
Adult Medical Directors Committee, Western Psychiatric Institute and Clinic, 1993-1999
WPIC Research Strategic Planning Committee, 1993-present
Functional Imaging Research Program Scientific Advisory Committee, 1994-2001
Executive Committee, Western Psychiatric Institute and Clinic, 1997-present
University Council on Aging, 2000-present
Clinical Research Steering Committee, 2000-present
University of Pittsburgh Physicians, Council of Clinical Chairs, 2000-present
University of Pittsburgh Physicians, Board of Directors, 2000-present
Executive Committee, UPMC Medical Staff, 2000-present
Executive Board, Pittsburgh Development Center, 2001-present

CLINICAL AND RESEARCH RELATED ACTIVITIES

University of Kentucky 1979-90:

Gordon Conference on Biology of Aging (Invited Participant), Ventura, California, 1982
Board of Directors, Lexington Bluegrass Alzheimer's Disease and Related Disorders
Association (ADRDA), 1984-1990 (Founding Member)
Invited Examiner, Part II (oral examinations), American Board of Psychiatry and
Neurology, 1981-present
Medical Review Board, Division of Driver Licensing
Commonwealth of Kentucky 1985-1990
Professional Education Committee
Kentucky Organ Donors Association, 1987-1990 Director, Memory Disorders Clinic
University of Kentucky Medical Center 1984-1990
Co-Director, Alzheimer's Disease Research Center
University of Kentucky, 1985-1990
Governor's Task Force on Alzheimer's Disease, State of Ohio (Vice Chairman)
1986-1992
Part I (Written) Examination Committee, American Board of Psychiatry and Neurology
1988-1999

University of Pittsburgh 1990-present:

Co-Director, Alzheimer's Disease Research Center
University of Pittsburgh, 1990-1994
Director, Memory Disorders Clinic
University of Pittsburgh Medical Center, 1990-present
Member, External Advisory Board, Alzheimer's Disease Research Center
University of Texas Medical School-Dallas, 1991-present

University of Pittsburgh 1990-present (continued)

Invited Participant, FASEB Meeting on Neurobiology of Brain Injury
Copper Mountain, CO, June 1992
Chairman, Professional Advisory Board, Greater Pittsburgh Chapter
Alzheimer's Association, 1992-present
Member, External Advisory Committee, University of Rochester Alzheimer's
Disease Center, 1993-1998
Director, Alzheimer's Disease Research Center
University of Pittsburgh, 1994-present
Chairman, External Advisory Committee, University of Indiana Alzheimer's
Disease Center, 1995-present
Chairman, External Advisory Committee, Emory University Alzheimer's
Disease Center, 1995-present
Member, External Advisory Committee, Alzheimer's Disease Research Center, University of
Alabama at Birmingham, 1999-present
Member, Committee on Informatics, American Board of Psychiatry and Neurology,
2000-present
Member, Executive Committee, National Alzheimer's Coordinating Center [elected], 1999-present
Member, County of Allegheny, Division of Forensic Neuropathology Advisory Board, 2002-present
Committee on Recertification in Neurology, American Board of Psychiatry and Neurology,
1999-present
Director and Committee Organizer, Barcelona-Pittsburgh Conference "Dementia Today," 2000
Member, Academic Advisory Board, Pfizer Biology Psychiatry Postdoctoral Fellowship Program,
1999-present
Member, Neurology Council, American Board of Psychiatry and Neurology, 2002-present
Member, Committee on Neurology Credentialing, 2002-present
Member, Finance Committee, 2002-present
Member, Appeals Review Committee for Neurology, 2002-present
Vice-Chair, Part I (Written Exam) Committee, 2002-present
Member, Informatics Committee, 2002-present
Member, Committee on Maintenance of Certification, 2002-present
Alzheimer's Association/Administration:
National Board of Directors, 1994-present
Vice Chairman, 1998-present
Co-Chairman, Strategic Planning Committee, 1996-1997
Member, Ethics Advisory Panel, 1997-present
Alzheimer's Association/Research:
National Medical and Scientific Advisory Board (MSAB)
Member, 1994
Vice-Chairman, 1995-1997
Chairman, 1997-2000
National Medical and Scientific Advisory Council (successor to MSAB, Chairman, 1997-2000
Member, Board of Directors, World Alzheimer Congress, 1998-present

INVITED LECTURES: 1995-present

The University of Kansas Medical Center, Neurology Grand Rounds. Kansas City, KS, February
1995.

Alzheimer's Association, National Education Conference. Chicago, IL, July 1995.

INVITED LECTURES: 1995-present (continued)

Visiting Professor, The Pennsylvania State University School of Medicine, Neurology Grand Rounds. Hershey, PA, Sept. 1995.

Visiting Professor, Medical College of Georgia, Neurology Grand Rounds. Augusta, GA, September 1995.

Dwight D. Eisenhower VA Medical Center. Leavenworth, KS, September 1996.

Neurotrauma Society 14th Annual Meeting: Invited Lecture. Washington, DC, November 1996.

Southern Clinical Neurological Society Scientific Program 24th Annual Meeting, Advances in Neurology. Puerto Vallarta, Mexico, January 1997.

American Neuropsychiatric Association Annual Meeting. Orlando, FL, February 1997.

National Alzheimer's Association, Public Policy Forum. Washington, DC, April 1997.

American Psychiatric Association Symposium. San Diego, CA, May 1997.

University of Massachusetts Medical Center Grand Rounds. Worcester, MA, June 1997.

Alzheimer's Association, National Alzheimer's Disease Education Conference. Chicago, IL, July 1997.

Alzheimer's Association of New South Wales. Sydney, Australia, September 1997.

University of South Florida Health Sciences Center. Tampa, FL, March 1998.

Barcelona-Pittsburgh Conference on Alzheimer's Disease. Barcelona, Spain, May 1998.

University of Minnesota, Benjamin Shapiro Lecture. Minneapolis, MN, June 1998.

6th International Conference on Alzheimer's Disease and Related Disorders. Amsterdam, the Netherlands, July 1998.

Danish Dementia Symposium. Copenhagen, Denmark, September 1998.

Emory University Grand Rounds. Atlanta, GA, September, 1998.

University of Kansas Medical Center Grand Rounds. Kansas City, KS, September, 1998.

Center for Neuroscience, University of Pittsburgh, Distinguished Scientist Seminar. Pittsburgh, PA, February, 1999.

American Medical Directors Association Annual Symposium. Orlando, FL, March, 1999.

45th Annual Meeting of the American Society on Aging. Orlando, FL, March, 1999.

Alzheimer's Association, National Alzheimer's Disease Education Conference. Long Beach, CA, July 1999.

Alzheimer's Disease International, 15th International Conference. Johannesburg, South Africa, September 1999.

2nd Leonard Berg Symposium, Mild Cognitive Impairment. St. Louis, MO, October 1999.

New York Presbyterian Hospital-Cornell Medical Center Grand Rounds. New York, NY, December 1999.

American Medical Directors Association Annual Symposium. San Francisco, CA, March 2000.

Medical College of Georgia, Dean's Symposium. Augusta, GA, March 2000.

University of Arkansas, Dementia Center of Arkansas. Benton, AR, August 2000.

Barcelona-Pittsburgh Dementia Today Conference. Barcelona, Spain, October 2000.

Mini-Medical School. Harrisburg, PA, January 2001.

American Society of Neuroradiology Symposium. Boston, MA, April 2001.

Northwestern University Medical School, Chicago, IL, April 2001.

Dean's Lecture Series, University of Kentucky College of Medicine, Lexington, KY, May 2001.

Eleventh Annual Matthew and Marcia Simons Lecturer, Boston, MA, November 2001.

George Randolph and Patricia Scott Lectureship on the Physiology of Aging, Rochester, MN, November 2001.

Southern Clinical Neurological Society 29th Annual Meeting, Puerto Vallarta, Mexico, January, 2002.

American Association for Geriatric Psychiatry 15th Annual Meeting, Orlando, FL, February, 2002.

American Society of Neuroimaging 25th Annual Meeting, Tampa Bay, FL, March, 2002.

INVITED LECTURES: 1995-present (continued)

John A. Burns School of Medicine, University of Hawaii, Honolulu, HI, Kaiser Lecture, March, 2002.

American Society for Pharmacology and Experimental Therapeutics-Ray Fuller Symposium, New Orleans, LA, April, 2002.

7th Neurodegenerative Disorders: Common Molecular Mechanisms, Montego Bay, Jamaica, April, 2002.

Geriatric Medicine Grand Rounds, University of Rochester, Rochester, MN, September, 2002.

Barcelona-Pittsburgh Dementia Today Conference. Barcelona, Spain, October 2002 .

2nd Conference of the Korean Dementia Society. Seoul, Korea, November, 2002.

TEACHING EXPERIENCE AND RESPONSIBILITIES

University of Kentucky

Medical School

Lecturer, ANA 516 (Neuroanatomy, 1st year) [Cortical anatomy, connectivity]

Lecturer, NEU 821 (Clinical Neurosciences, 2nd year) [Behavioral Neurology, Memory & Dementia, Cortical Function, Headache]

NEU 835, 3rd year clerkship for medical students

NEU 851, Research Elective in Neurology (Course Director)

CON 845, 4th year Neurology elective for medical students

CON 818, 1st year medical students (Clinical-Anatomic Correlation)

TEACHING EXPERIENCE AND RESPONSIBILITIES (continued)

Graduate School

Masters and Doctoral Committees, Departments of Anatomy and Psychology

Lecturer, PGY 630 (Biology of Aging)

Lecturer, NEU 605 (Graduate Studies in Neuroscience)

Neurology Residency Program

Residency Program Director, June 1985-April 1987

Consultation & ward attending (adult and pediatric neurology) rotations, 1979 - 1990

Special consultations: Disorders of higher cortical function, 1979 - 1990

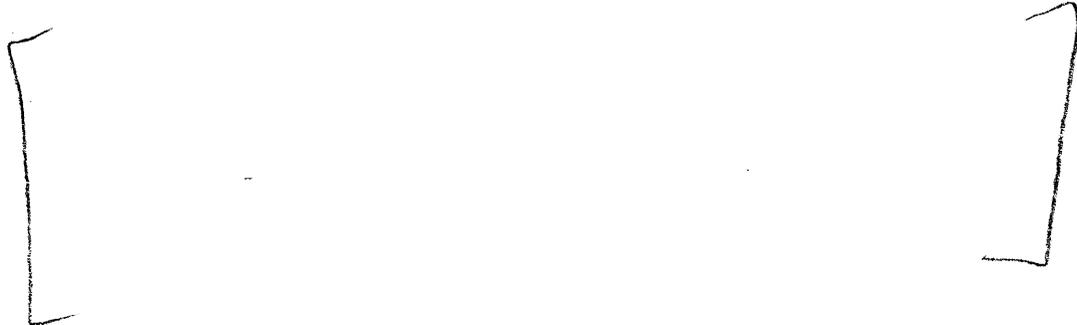
University of Pittsburgh

Medical School

Lecturer, Introduction to Medicine (Dementia and Behavioral Disorders)

Lecturer, Small Group Leader, Problem based Learning Group Leader, Integrated Neuroscience Course





Lecturer, Biological Bases of Neuropsychiatry, 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2002

Cellular and Molecular Bases of Neuroscience: Molecular and Neuropathologic Mechanisms in Alzheimer's Disease (1998)

Neurology Residency Program

Special consultations: Disorders of higher cortical function & neuropsychiatry, 1990-present
Resident's Conferences: Limbic system, Mental Status Exam, Dementia, Aphasia

Psychiatry Residency Program

Geriatric Psychiatry Inpatient Unit, Attending Consultant
Seminars and Case Presentations in behavioral neurology and neuropsychiatry

CURRENT RESEARCH FUNDING (annual direct costs)

Principal Investigator

NIA AG05133

Alzheimer Disease Research Center 6/1/00-3/31/05
[Administrative Core Director, Clinical Core Director]

NIA AG10483

Alzheimer Disease Cooperative Study Unit 7/1/93-7/31/04

NCCAM/NIA AT00162

Ginkgo Biloba Prevention Trial in Older Individuals 9/30/99-7/31/05

Project Principal Investigator

NIA AG14449

Neurobiology and Cognitive Impairment in the Elderly
(Project Principal Investigator)
Neurobiology of Mild Cognitive Impairment in Aging
4/1/02-3/31/05

NINDS NS30318

University of Pittsburgh Brain Trauma Research Center
(Project Principal Investigator)
Brain Trauma Research Center 5/11/00-2/28/05

NIA AG16976

Alzheimer's Disease Data Coordinating Center
(Subcontract: University of Washington) 7/1/99-6/30/03

NIMH N01 MH90001

Clinical Antipsychotic Trials of Intervention Effectiveness
(Subcontract- University of North Carolina) 12/1/00-11/29/02

Co-Principal Investigator

NIA AG13672

Risk Genes in Alzheimer's Disease

5/29/96-3/31/07

Co-Investigator

NIH AG16705

Clinical Epidemiology of Dementia in General Practice

4/1/99-3/31/04

NIH AG20226

PET Tracers to Monitor Vaccine and Immune Therapy for AD

9/15/01-9/14/06

Experimental Therapeutic Studies of Alzheimer's Disease:

Principal Investigator

Janssen Pharmaceutical Products

Placebo-Controlled Evaluation of Galantamine
in the Treatment of AD

3/1/01-2/28/03

Janssen Pharmaceutical Products

Randomized Double-Placebo with Galantamine in AD

4/1/01-12/31/03

Janssen Pharmaceutica Products, L.P.

An Open-Label Extension Trial to Assess the
Long-Safety of a Controlled Release Formulation
Of Galantamine HBr in the Treatment of AD

2/1/02-7/31/04

Cortex Pharmaceuticals

Efficacy and Safety of CS516 in Elderly Participants
with Mild Cognitive Impairment

4/1/02-3/31/05

Pending:

Principal Investigator

NIA ADRC—Imaging Core Supplement

4/1/02-3/31/05

NIA ADRC—Data Management Supplement

4/1/02-3/31/05

Co-Investigator

NIH Predictors of Alzheimer's Disease in Mild Cognitive Impairment

4/1/02-2/28/07

NIA Epidemiology of Dementia: A Prospective Community Study

8/1/02-7/31/07

NIH Identifying Genes for Late-Onset Alzheimer's Disease

12/1/02-11/30/07

NIH Inflammation, Amyloid β Protein and Risk of Dementia Laboratory Study in the Cardiovascular Health Study

4/1/02-3/31/05

NIH Interaction of Age and Gender on Serotonergic Function

7/1/02-6/30/07

NIH Genetic Factors in Alzheimer's Disease

4/1/03-3/31/08

Prior Research Funding (University of Pittsburgh): Available upon request.

PUBLICATIONS

- DeKosky, S.T., Heilman, K.M., Bowers, D. and Valenstein, E.: Recognition and discrimination of emotional faces and pictures. *Brain and Language* 9:206-214, 1980.
- DeKosky, S.T., and Bass, N.H.: Effects of aging and senile dementia on the microchemical pathology of human cerebral cortex. In Amaducci, L., Davison, A.N. and Antuono, P. (eds.) *Aging of the Brain and Dementia* (Aging, Vol. 13). New York, Raven Press, 1980, 33-37.
- DeKosky, S.T., and Bass, N.H.: Aging, senile dementia, and the intralaminar microchemistry of cerebral cortex. *Neurology* 32:1227-1233, 1982.
- DeKosky, S.T., Nonneman, A.J., and Scheff, S.W.: Morphologic and behavioral effects of perinatal glucocorticoid administration. *Physiology and Behavior* 29:895-900, 1982.
- Scheff, S.W., and DeKosky, S.T.: Steroid suppression of axon sprouting in the hippocampal dentate gyrus of the adult rat: Dose-response relationship. *Experimental Neurology* 82:183-191, 1983.
- DeKosky, S.T., Scheff, S.W., and Cotman, C.W.: Elevated corticosterone levels: A possible cause of reduced axon sprouting in aged animals. *Neuroendocrinology*, 38:33-38, 1984.
- DeKosky, S.T., and Bass, N.H.: Biochemistry of senile dementia. In Lajtha, A. (ed.) *Handbook of Neurochemistry*, 2nd Edition. New York:Plenum Press, 1985, 617-650.
- Scheff, S.W., Anderson, K.J., and DeKosky, S.T.: Strain comparison of synaptic density in hippocampal CA1 of aged rats. *Neurobiology of Aging*, 6:29-34, 1985.
- DeKosky, S.T., Scheff, S.W., and Markesbery, W.R.: Laminar organization of cholinergic circuits in human frontal cortex in Alzheimer's Disease and aging. *Neurology*, 35:1425-1431, 1985.
- DeKosky, S.T., Scheff, S.W., Hackney, C.G., and Bass, N.H. Strain differences and laminar localization of structural neurochemical changes in aging rat. *Neurobiology of Aging*, 6:277-286, 1985.
- Vicedomini, J.P., Nonneman, A.J., DeKosky, S.T., and Scheff, S.W. Perinatal glucocorticoids alter dentate gyrus electrophysiology. *Brain Research Bulletin*, 15:111-116, 1985.
- Vicedomini, J.P., Nonneman, A.J., DeKosky, S.T., and Scheff, S.W. Perinatal glucocorticoids disrupt learning: A sexually dimorphic response. *Physiology and Behavior*, 36:145-149, 1986.
- Slevin, J.T., and DeKosky, S.T.: Stability of sialogangliosides in kindled hippocampus. *Experimental Neurology*, 91:208-211, 1986.
- Anderson, K.J., Scheff, S. W., and DeKosky, S.T. Reactive synaptogenesis in hippocampal area CA1 of aged and young adult rats. *J. Comparative Neurology*, 252:374-384, 1986.
- Morse, J., Scheff, S.W., and DeKosky, S.T. Gonadal steroids influence axon sprouting in the hippocampal dentate gyrus: A sexually dimorphic response. *Experimental Neurology*, 94:649-658, 1986.
- Slevin, J.T., Sparks, D.L., Dempsey, R.J., Davis, D.G., Hunsaker, J.C., and DeKosky, S.T. Altered striatal dopaminergic metabolism 36 hours after unilateral trauma to the human mesencephalon. *Neurology*, 37:322-325, 1987.

- Shih, W.J., Markesbery, W.R., Clark, D.B., Goldstein, S., Domstad, P., Coupal, J.J., Kung, H., DeKosky, S.T. and DeLand, F. I-123 HIPDM brain imaging findings in sub-acute spongiform encephalopathy (Creutzfeld-Jakob disease). *J. Nuclear Medicine* 28:1484-1487, 1987.
- Scheff, S.W., Morse, J.K., and DeKosky, S.T. Hydrocortisone differentially alters lesion-induced axon sprouting in male and female rats. *Experimental Neurology* 100:237-241, 1988.
- Scheff, S.W., Morse, J.K., and DeKosky, S.T. Neurotrophic effects of steroids on lesion-induced growth in the hippocampus. I. The asteroïdal condition. *Brain Research* 457:246-250, 1988.
- Sparks, D.L., DeKosky, S.T., and Markesbery, W.R. Alzheimer's Disease: Aminergic-cholinergic alterations in hypothalamus. *Archives of Neurology* 45:994-999, 1988.
- DeKosky, S.T., Scheff, S.W., and Hackney, C.G.: Acetylcholine synthesis in human CSF: Implications for study of central cholinergic metabolism. *Neurochemical Research* 14: 191-196, 1989.
- Harbaugh, R.E., Reeder, T.M., Senter, H.J., Knopman, D.S., Baskin, D.S., Pirozzolo, F., Chui, H.C., Shetter, A.G, Bakay, R.A., Leblanc, R., Watson, R.T., DeKosky, S.T., Read, S.L., Schmitt, F.A., and Johnston, J.T. Intracerebroventricular bethanechol chloride infusion in Alzheimer's disease: Results of a collaborative, double-blind study. *Journal of Neurosurgery* 71:481-486, 1989.
- Scheff, S.W., and DeKosky, S.T. Glucocorticoid suppression of lesion-induced synaptogenesis: Effect of temporal manipulation of steroid treatment. *Experimental Neurology* 105:260-264, 1989.
- Schmitt, F.A., Ranseen, J.D., and DeKosky, S.T.: Cognitive mental status examinations. *Clinics in Geriatric Medicine* 5:545-564, 1989.
- Scheff, S.W., DeKosky, S.T., and Price, D.A.: Quantitative assessment of cortical synaptic density in Alzheimer's Disease. *Neurobiology of Aging* 11:29-37, 1990.
- DeKosky, S.T., Shih, W-J., Schmitt, F.A., Coupal, J., and Kirkpatrick, C. Assessing utility of single photon emission computerized tomography (SPECT) scan in Alzheimer's disease: Correlation with cognitive severity. *Alzheimer's Disease and Related Disorders: An International Journal* 4:14-23, 1990.
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